

=> s silencer

L1 1715 SILENCER

=> s plant

L2 1038828 PLANT

=> s transformation

L3 275746 TRANSFORMATION

=> s l1 and l2

L4 69 L1 AND L2

=> s l4 and 3

L5 30 L4 AND 3

=> d l5 1-30

L5 ANSWER 1 OF 30 AGRICOLA

AN 97:32896 AGRICOLA

DN IND20563787

TI Phytohormone control of the tobacco anionic peroxidase promoter.

AU Klotz, K.L.; Lagrimini, L.M.

CS Ohio State University, Columbus, OH.

AV DNAL (QK710.P62)

SO Plant molecular biology, June 1996. Vol. 31, No. 3. p. 565-573

Publisher: Dordrecht : Kluwer Academic Publishers.

CODEN: PMBIDB; ISSN: 0167-4412

NTE Includes references

CY Netherlands

DT Article

FS Non-U.S. Imprint other than FAO

LA English

L5 ANSWER 2 OF 30 AGRICOLA

AN 97:24258 AGRICOLA

DN IND20555986

TI Cloning and characterization of the rice CatA catalase gene, a homologue of the maize Cat3 gene.

AU Higo, K.; Higo, H.

CS National Institute of Agrobiological Resources, Ibaraki, Japan.

SO Plant molecular biology, Feb 1996. Vol. 30, No. 3. p. 505-521

Publisher: Dordrecht : Kluwer Academic Publishers.

CODEN: PMBIDB; ISSN: 0167-4412

NTE Includes references

CY Netherlands

DT Article

FS Non-U.S. Imprint other than FAO

LA English

L5 ANSWER 3 OF 30 AGRICOLA

AN 94:70925 AGRICOLA

DN IND20418735

TI Promoter elements required for developmental expression of te maize Adh1

gene in transgenic rice.

AU Kyoizuka, J.; Olive, M.; Peacock, W.J.; Dennis, E.S.; Shimamoto, K.
 AV DNAL (QK725.P532)
 SO The Plant cell, June 1994. Vol. 6, No. 6. p. 799-810
 Publisher: (Rockville, MD : American Society of Plant Physiologists,
 c1989-
 CODEN: PLCEEW; ISSN: 1040-4651

NTE Includes references
 CY Maryland; United States
 DT Article
 FS U.S. Imprints not USDA, Experiment or Extension
 LA English

L5 ANSWER 4 OF 30 AGRICOLA
 AN 91:50036 AGRICOLA
 DN IND91020623
 TI Characterization of a nuclear protein that binds to three elements within
 the **silencer** region of a bean chalcone synthase gene promoter.

AU Harrison, M.J.; Lawton, M.A.; Lamb, C.J.; Dixon, R.A.
 CS The Samuel Roberts Noble Foundation, Ardmore, OK
 AV DNAL (500 N21P)
 SO Proceedings of the National Academy of Sciences of the United States of
 America, Mar 15, 1991. Vol. 88, No. 6. p. 2515-2519 ill
 Publisher: Washington, D.C. : The Academy.
 CODEN: PNASA6; ISSN: 0027-8424

NTE Includes references.
 DT Article
 FS U.S. Imprints not USDA, Experiment or Extension
 LA English

L5 ANSWER 5 OF 30 AGRICOLA
 AN 91:43144 AGRICOLA
 DN IND91014223
 TI **Silencer** region of a chalcone synthase promoter contains
 multiple binding sites for a factor, SBF-1, closely related to GT-1.

AU Lawton, M.A.; Dean, S.M.; Dron, M.; Kooter, J.M.; Kragh, K.M.; Harrison,
 M.J.; Yu, L.; Tanguary, L.; Dixon, R.A.; Lamb, C.J.
 CS Salk Institute for Biological Studies, La Jolla, CA
 AV DNAL (QK710.P62)
 SO Plant molecular biology : an international journal on fundamental
 research
 and genetic engineering, Feb 1991. Vol. 16, No. 2. p. 235-249 ill
 Publisher: Dordrecht : Kluwer Academic Publishers.
 ISSN: 0167-4412

NTE Includes references.
 DT Article
 FS Non-U.S. Imprint other than FAO
 LA English

L5 ANSWER 6 OF 30 BIOSIS COPYRIGHT 1999 BIOSIS
 AN 1998:510926 BIOSIS
 DN PREV199800510926
 TI Characterization and expression of a new class of zinc finger protein
 that
 binds to **silencer** region of ascorbate oxidase gene.

AU Kisu, Yasutomo; Ono, Tomoyuki; Shimofurutani, Naoko; Suzuki, Masashi;
 Esaka, Muneharu (1)
 CS (1) Fac. Applied Biol. Sci., Hiroshima Univ., Kagamiyama 1-4-4,
 Higashi-Hiroshima 739 Japan
 SO Plant and Cell Physiology, (Oct., 1998) Vol. 39, No. 10, pp. 1054-1064.
 ISSN: 0032-0781.

DT Article
 LA English

L5 ANSWER 7 OF 30 BIOSIS COPYRIGHT 1999 BIOSIS
 AN 1998:504843 BIOSIS

.DN PREV199800504843
 TI Genomic organization of four beta-1,4-endoglucanase genes in plant
 -parasitic cyst nematodes and its evolutionary implications.
 AU Yan, Yitang; Smant, Geert; Stokkermans, Jack; Qin, Ling; Heider,
 Johannes;
 Baum, Thomas; Schots, Arjen; Davis, Eric (1)
 CS (1) Plant Patholol. Dep., North Carolina State Univ., Raleigh, NC 27695
 USA
 SO Gene (Amsterdam), (Oct. 5, 1998) Vol. 220, No. 1-2, pp. 61-70.
 ISSN: 0378-1119.
 DT Article
 LA English

 L5 ANSWER 8 OF 30 BIOSIS COPYRIGHT 1999 BIOSIS
 AN 1996:484699 BIOSIS
 DN PREV199699199955
 TI Phytohormone control of the tobacco anionic peroxidase promoter.
 AU Klotz, Karen L.; Lagrimini, L. Mark (1)
 CS (1) Dep. Horticulture Crop Sci., Ohio State Univ., Columbus, OH
 43210-1096
 USA
 SO Plant Molecular Biology, (1996) Vol. 31, No. 3, pp. 565-573.
 ISSN: 0167-4412.
 DT Article
 LA English

 L5 ANSWER 9 OF 30 BIOSIS COPYRIGHT 1999 BIOSIS
 AN 1996:233382 BIOSIS
 DN PREV199698797511
 TI Cloning and characterization of the rice CatA catalase gene, a homologue
 of the maize Cat3 gene.
 AU Higo, Kenichi (1); Higo, Hiromi
 CS (1) Dep. Molecular Biol., Natl. Inst. Agrobiological Resources, 2-1-2
 Kannondai, Tsukuba, Ibaraki 305 Japan
 SO Plant Molecular Biology, (1996) Vol. 30, No. 3, pp. 505-521.
 ISSN: 0167-4412.
 DT Article
 LA English

 L5 ANSWER 10 OF 30 BIOSIS COPYRIGHT 1999 BIOSIS
 AN 1994:546019 BIOSIS
 DN PREV199598005567
 TI Identification of an enhancer/silencer sequence directing the
 aleurone-specific expression of a barley chitinase gene.
 AU Leah, Robert (1); Skriver, Karen; Knudsen, Soren; Ruud-Hansen, Jan;
 Raikhel, Natasha V.; Mundy, John
 CS (1) Carlsberg Res. Lab., Gamle Carlsberg Vej 10, DK-2500 Copenhagen
 Denmark
 SO Plant Journal, (1994) Vol. 6, No. 4, pp. 579-589.
 ISSN: 0960-7412.
 DT Article
 LA English

 L5 ANSWER 11 OF 30 BIOSIS COPYRIGHT 1999 BIOSIS
 AN 1991:387107 BIOSIS
 DN BA92:64422
 TI STRESS RESPONSES IN ALFALFA MEDICAGO-SATIVA L. 8. CIS-ELEMENTS AND
 TRANS-ACTING FACTORS FOR THE QUANTITATIVE EXPRESSION OF A BEAN CHALCONE
 SYNTHASE GENE PROMOTER IN ELECTROPORATED ALFALFA PROTOPLASTS.
 AU HARRISON M J; CHOUDHARY A D; DUBERY I; LAMB C J; DIXON R A
 CS PLANT BIOL. DIV., SAMUEL ROBERTS NOBLE FOUND., P.O. BOX 2180, ARDMORE,
 OKLA. 73402.
 SO PLANT MOL BIOL, (1991) 16 (5), 877-890.
 CODEN: PMBIDB. ISSN: 0167-4412.
 FS BA; OLD
 LA English

L5 ANSWER 12 OF 30 BIOSIS COPYRIGHT 1999 BIOSIS
 AN 1991:227339 BIOSIS
 DN BA91:118799
 TI CHARACTERIZATION OF A NUCLEAR PROTEIN THAT BINDS TO THREE ELEMENTS WITHIN
 THE SILENCER REGION OF A BEAN CHALCONE SYNTHASE GENE PROMOTER.
 AU HARRISON M J; LAWTON M A; LAMB C J; DIXON R A
 CS PLANT BIOL. DIV., SAMUEL ROBERTS NOBLE FOUNDATION, P.O. BOX 2180,
 ARDMORE,
 OKLAHOMA 73402.
 SO PROC NATL ACAD SCI U S A, (1991) 88 (6), 2515-2519.
 CODEN: PNASA6. ISSN: 0027-8424.
 FS BA; OLD
 LA English

L5 ANSWER 13 OF 30 BIOSIS COPYRIGHT 1999 BIOSIS
 AN 1991:204054 BIOSIS
 DN BA91:107279
 TI SILENCER REGION OF A CHALCONE SYNTHASE PROMOTER CONTAINS
 MULTIPLE BINDING SITES FOR A FACTOR SBF-1 CLOSELY RELATED TO GT-1.
 AU LAWTON M A; DEAN S M; DRON M; KOOTER J M; KRAGH K M; HARRISON M J; YU L;
 TANGUAY L; DIXON R A; LAMB C J
 CS PLANT BIOL. LAB., SALK INST. BIOLOGICAL STUDIES, 10010 NORTH TORREY PINES
 RD., LA JOLLA, CALIF. 92037, USA.
 SO PLANT MOL BIOL, (1991) 16 (2), 235-250.
 CODEN: PMBIDB. ISSN: 0167-4412.
 FS BA; OLD
 LA English

L5 ANSWER 14 OF 30 CAPLUS COPYRIGHT 1999 ACS
 AN 1999:214687 CAPLUS
 DN 130:348138
 TI A strong constitutive positive element is essential for the
 ammonium-regulated expression of a soybean gene encoding cytosolic
 glutamine synthetase
 AU Terce-Laforge, Therese; Carrayol, Elisa; Cren, Michele; Desbrosses,
 Guilhem; Hecht, Valerie; Hirel, Bertrand
 CS Laboratoire du Metabolisme et de la Nutrition des Plantes, INRA, Centre
 de
 Versailles, Versailles, 78026, Fr.
 SO Plant Mol. Biol. (1999), 39(3), 551-564
 CODEN: PMBIDB; ISSN: 0167-4412
 PB Kluwer Academic Publishers
 DT Journal
 LA English

L5 ANSWER 15 OF 30 CAPLUS COPYRIGHT 1999 ACS
 AN 1998:694318 CAPLUS
 DN 130:61852
 TI Genomic organization of four .beta.-1,4-endoglucanase genes in
 plant-parasitic cyst nematodes and its evolutionary implications
 AU Yan, Yitang; Smant, Geert; Stokkermans, Jack; Qin, Ling; Helder,
 Johannes;
 Baum, Thomas; Schots, Arjen; Davis, Eric
 CS Plant Pathology Department, North Carolina State University, Raleigh, NC,
 27695, USA
 SO Gene (1998), 220(1-2), 61-70
 CODEN: GENED6; ISSN: 0378-1119
 PB Elsevier Science B.V.
 DT Journal
 LA English

L5 ANSWER 16 OF 30 CAPLUS COPYRIGHT 1999 ACS
 AN 1998:679492 CAPLUS
 DN 130:48151
 TI Characterization and expression of a new class of zinc finger protein
 that

binds to silencer region of ascorbate oxidase gene
 AU Kisu, Yasutomo; Ono, Tomoyuki; Shimofurutani, Naoko; Suzuki, Masashi;
 Esaka, Muneharu
 CS Faculty of Applied Biological Science, Hiroshima University,
 Higashi-Hiroshima, 739, Japan
 SO Plant Cell Physiol. (1998), 39(10), 1054-1064
 CODEN: PCPHA5; ISSN: 0032-0781
 PB Japanese Society of Plant Physiologists
 DT Journal
 LA English

L5 ANSWER 17 OF 30 CAPLUS COPYRIGHT 1999 ACS
 AN 1996:559398 CAPLUS
 DN 125:190703
 TI Phytohormone control of the tobacco anionic peroxidase promoter
 AU Klotz, Karen L.; Lagrimini, L. Mark
 CS Department Horticulture and Crop Sciences, Ohio State University,
 Columbus, OH, 43210-1096, USA
 SO Plant Mol. Biol. (1996), 31(3), 565-573
 CODEN: PMBIDB; ISSN: 0167-4412
 DT Journal
 LA English

L5 ANSWER 18 OF 30 CAPLUS COPYRIGHT 1999 ACS
 AN 1996:198292 CAPLUS
 DN 124:280600
 TI Cloning and characterization of the rice CatA catalase gene, a homolog of
 the maize Cat3 gene
 AU Higo, Kenichi; Higo, Hiromi
 CS Dep. Mol. Biology, Natl. Inst. Agrobiological Resources, Ibaraki, 305,
 Japan
 SO Plant Mol. Biol. (1996), 30(3), 505-21
 CODEN: PMBIDB; ISSN: 0167-4412
 DT Journal
 LA English

L5 ANSWER 19 OF 30 CAPLUS COPYRIGHT 1999 ACS
 AN 1996:136939 CAPLUS
 DN 124:170863
 TI Suppression of virus accumulation in transgenic plants exhibiting
 silencing of nuclear genes.
 AU English, James J.; Mueller, Elisabeth; Baulcombe, David C.
 CS Sainsbury Lab., John Innes Cent., Norwich, NR4 7UH, UK
 SO Plant Cell (1996), 8(2), 179-88
 CODEN: PLCEEW; ISSN: 1040-4651
 DT Journal
 LA English

L5 ANSWER 20 OF 30 CAPLUS COPYRIGHT 1999 ACS
 AN 1995:964890 CAPLUS
 DN 124:2549
 TI Construction of expression plasmids containing a root-specific gene
 promoter from tobacco
 IN Conkling, Mark A.; Yamamoto, Yuri T.
 PA North Carolina State University, USA
 SO U.S., 16 pp. Cont.of U.S. Ser. No.649,564, abandoned.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5459252	A	19951017	US 94-234939	19940428
PRAI	US 91-649564		19910131		

L5 ANSWER 21 OF 30 CAPLUS COPYRIGHT 1999 ACS

AN 1995:685902 CAPLUS
 DN 123:308003
 TI Identification of enhancer and **silencer** regions involved in salt-responsive expression of Crassulacean acid metabolism (CAM) genes in the facultative halophyte *Mesembryanthemum crystallinum*
 AU Schaeffer, Holly J.; Forsthoefel, Nancy R.; Cushman, John C.
 CS Dep. of Biochemistry and Mol. Biology, Oklahoma State Univ., Stillwater, OK, 74078-0454, USA
 SO Plant Mol. Biol. (1995), 28(2), 205-18
 CODEN: PMBIDB; ISSN: 0167-4412
 DT Journal
 LA English

L5 ANSWER 22 OF 30 CAPLUS COPYRIGHT 1999 ACS
 AN 1995:193276 CAPLUS
 DN 122:307653
 TI Identification of an enhancer/**silencer** sequence directing the aleurone-specific expression of a barley chitinase gene
 AU Leah, Robert; Skriver, Karen; Knudsen, Soeren; Ruud-Hansen, Jan; Raikhel, Natasha V.; Mundy, John
 CS Carlsberg Research Laboratory, Copenhagen, DK-2500, Den.
 SO Plant J. (1994), 6(4), 579-89
 CODEN: PLJUED; ISSN: 0960-7412
 DT Journal
 LA English

L5 ANSWER 23 OF 30 CAPLUS COPYRIGHT 1999 ACS
 AN 1995:22006 CAPLUS
 DN 122:124553
 TI Promoter elements required for developmental expression of the maize *Adhl* gene in transgenic rice
 AU Kyozuka, Junko; Olive, Mark; Peacock, W. James; Dennis, Elizabeth S.; Shimamoto, Ko
 CS Plantech Research Institute, Yokohama, 227, Japan
 SO Plant Cell (1994), 6(6), 799-810
 CODEN: PLCEEW; ISSN: 1040-4651
 DT Journal
 LA English

L5 ANSWER 24 OF 30 CAPLUS COPYRIGHT 1999 ACS
 AN 1993:421737 CAPLUS
 DN 119:21737
 TI Structure of the genes encoding *Hordeum vulgare* (1.fwdarw.3, 1.fwdarw.4)-.beta.-glucanase isoenzymes I and II and functional analysis of their promoters in barley aleurone protoplasts
 AU Wolf, Norbert
 CS Dep. Physiol., Carlsberg Lab., Copenhagen-Valby, DK-2500, Den.
 SO Mol. Gen. Genet. (1992), 234(1), 33-42
 CODEN: MGGEAE; ISSN: 0026-8925
 DT Journal
 LA English

L5 ANSWER 25 OF 30 CAPLUS COPYRIGHT 1999 ACS
 AN 1991:465772 CAPLUS
 DN 115:65772
 TI Gene structure and expression of a tobacco endochitinase gene in suspension-cultured tobacco cells
 AU Fukuda, Yuji; Ohme, Masaru; Shinshi, Hideaki
 CS Ferment. Res. Inst., Agency Ind. Sci. Technol., Tsukuba, 305, Japan
 SO Plant-Mol. Biol. (1991), 16(1), 1-10
 CODEN: PMBIDB; ISSN: 0167-4412
 DT Journal
 LA English

L5 ANSWER 26 OF 30 CAPLUS COPYRIGHT 1999 ACS
 AN 1991:223870 CAPLUS

DN 114:223870
 TI Characterization of a nuclear protein that binds to three elements within the **silencer** region of a bean chalcone synthase gene promoter
 AU Harrison, Maria J.; Lawton, Michael A.; Lamb, Christopher J.; Dixon, Richard A.
 CS Plant Biol. Div., Samuel Roberts Noble Found., Ardmore, OK, 73402, USA
 SO Proc. Natl. Acad. Sci. U. S. A. (1991), 88(6), 2515-19
 CODEN: PNAS6; ISSN: 0027-8424
 DT Journal
 LA English

L5 ANSWER 27 OF 30 CAPLUS COPYRIGHT 1999 ACS
 AN 1991:179481 CAPLUS
 DN 114:179481

TI **Silencer** region of a chalcone synthase promoter contains multiple binding sites for a factor, SBF-1, closely related to GT-1
 AU Lawton, Michael A.; Dean, Susan M.; Dron, Michel; Kooter, Jan M.; Kragh, Karsten M.; Harrison, Maria J.; Yu, Lloyd; Tanguay, Lisa; Dixon, Richard A.; Lamb, Christopher J.
 CS Plant Biol. Lab., Salk Inst. Biol. Stud., La Jolla, CA, 92037, USA
 SO Plant Mol. Biol. (1991), 16(2), 235-49
 CODEN: PMBIDB; ISSN: 0167-4412
 DT Journal
 LA English

L5 ANSWER 28 OF 30 CAPLUS COPYRIGHT 1999 ACS
 AN 1990:566883 CAPLUS
 DN 113:166883

TI **Plant** defense gene regulatory elements, and its cloning and uses
 IN Lamb, Christopher John; Dron, Michel; Wingate, Vincent Paul Mary
 PA Salk Institute for Biological Studies, USA
 SO PCT Int. Appl., 69 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8912059	A1	19891214	WO 89-US2150	19890518
	W: JP, US, US				
	RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
	EP 414809	A1	19910306	EP 89-906880	19890518
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	JP 03504921	T2	19911031	JP 89-506476	19890518
PRAI	US 88-197122		19880520		
	US 89-343445		19890426		
	WO 89-US2150		19890518		

L5 ANSWER 29 OF 30 CAPLUS COPYRIGHT 1999 ACS
 AN 1990:546058 CAPLUS
 DN 113:146058

TI Cis-elements and trans-acting factors for regulation of the **plant** defense gene chalcone synthase
 AU Dixon, R. A.; Harrison, M. J.; Jenkins, S. M.; Lamb, C. J.; Lawton, M. A.; Yu, L.
 CS Plant Biol. Div., Samuel Roberts Noble Found., Ardmore, OK, 73402, USA
 SO UCLA Symp. Mol. Cell. Biol., New Ser. (1990), 129(Plant Gene Transfer), 101-9
 CODEN: USMBD6; ISSN: 0735-9543
 DT Journal; General Review
 LA English

L5 ANSWER 30 OF 30 CAPLUS COPYRIGHT 1999 ACS
 AN 1989:451362 CAPLUS
 DN 111:51362

TI Transcriptional activity is inducible in the cauliflower mosaic virus 35
S
AU promoter engineered with the heat shock consensus sequence
CS Pietrzak, Maciej; Burri, Markus; Herrero, Juan Jose; Mosbach, Klaus
SO Inst. Biotechnol., ETH-Hoenggerberg, Zurich, CH 8093, Switz.
FEBS Lett. (1989), 249(2), 311-15
CODEN: FEBLAL; ISSN: 0014-5793
DT Journal
LA English